

**BfR**

Risiken erkennen – Gesundheit schützen

## MS/MS Parameters of Pesticides

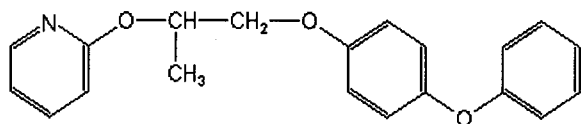
### Analyte: Pyriproxyfen

CAS No.: 95737-68-1

Formula: C<sub>20</sub>H<sub>19</sub>NO<sub>3</sub>

Molecular mass (lowest isotopes): 321,14 amu

Structure:



Ionisation: ESI +

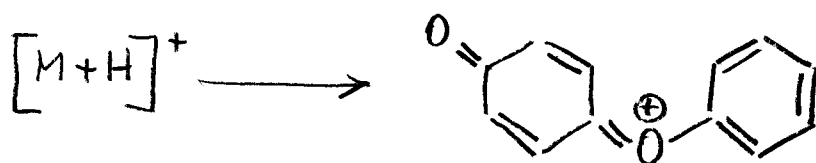
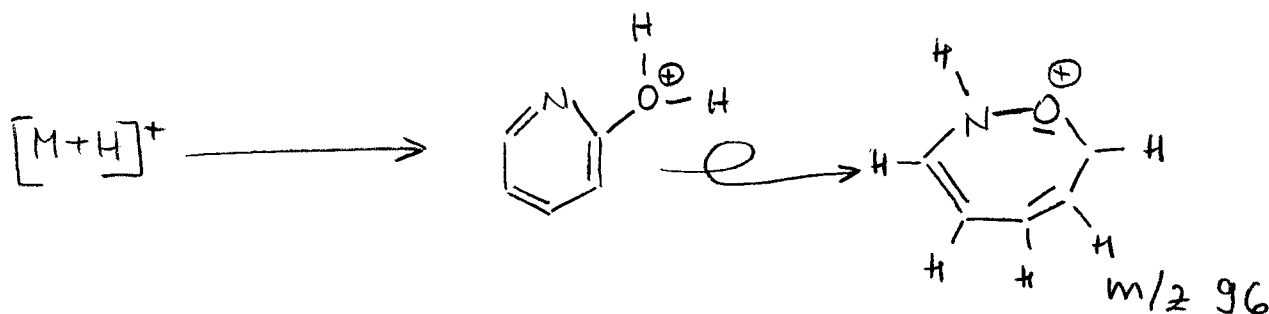
Quasimolecular ion: 322,1 amu = [M+H]<sup>+</sup>

Analyte sensitive parameter set (API 2000)

Transition	322,1 → 96,2	322,1 → 185,1
Declustering potential (DP) <sup>*)</sup>	14 V	14 V
Focusing potential (FP)	370 V	360 V
Entrance potential (EP)	8,5 V	10,0 V
Collision cell entrance potential (CEP)	20 V	20 V
Collision energy (CE)	21 V	29 V
Collision cell exit potential (CXP)	4 V	8 V

<sup>\*)</sup> For API 3000 and 4000 enhance DP by 20V

### Fragmentation



m/z 185

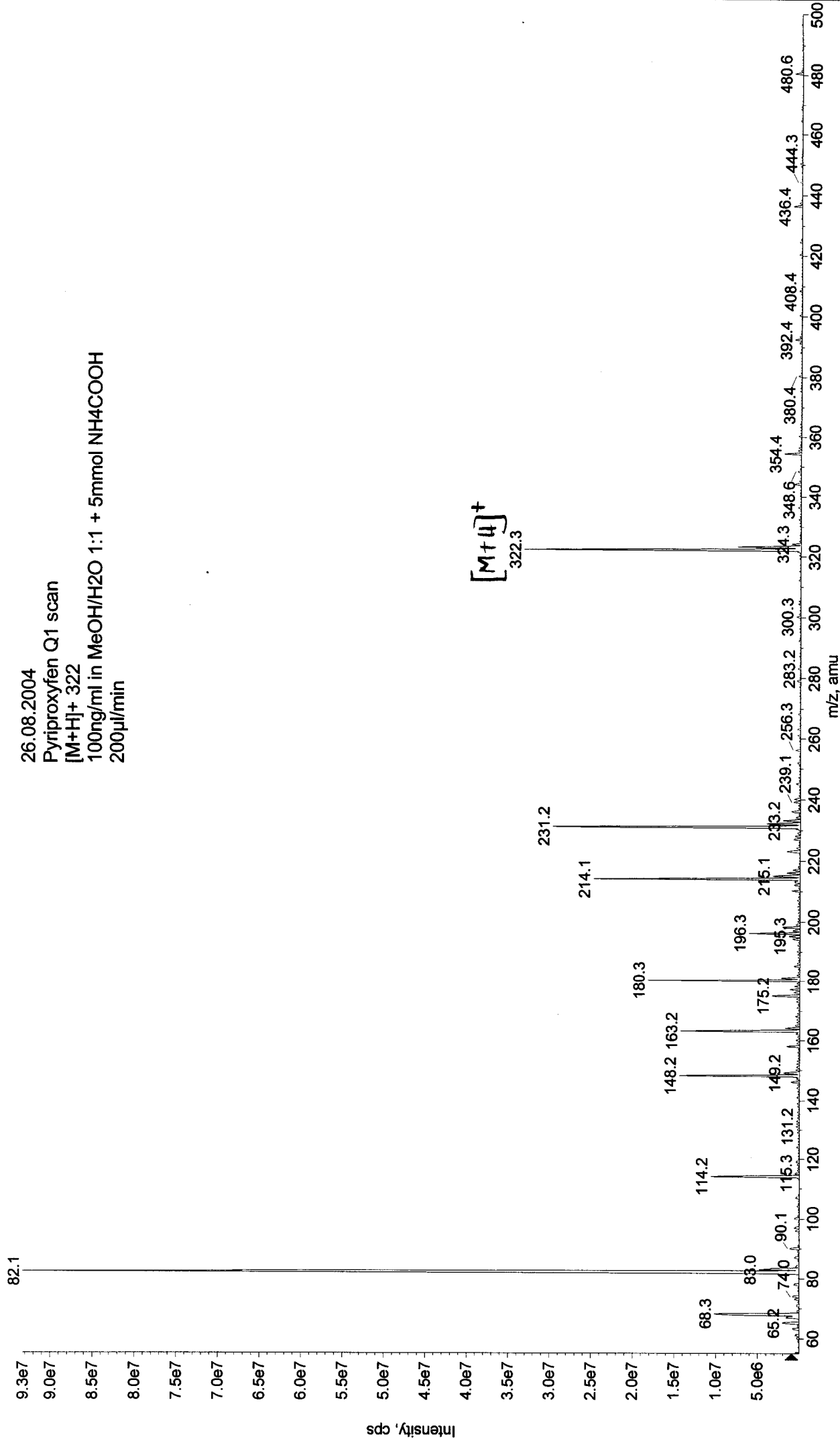
Printing Time: 10:46:29  
Printing Date: Thursday, August 26, 2004

Acq. Time: 10:43  
Acq. Date: Thursday, August 26, 2004  
Acq. File: MT20040826104317.wiff

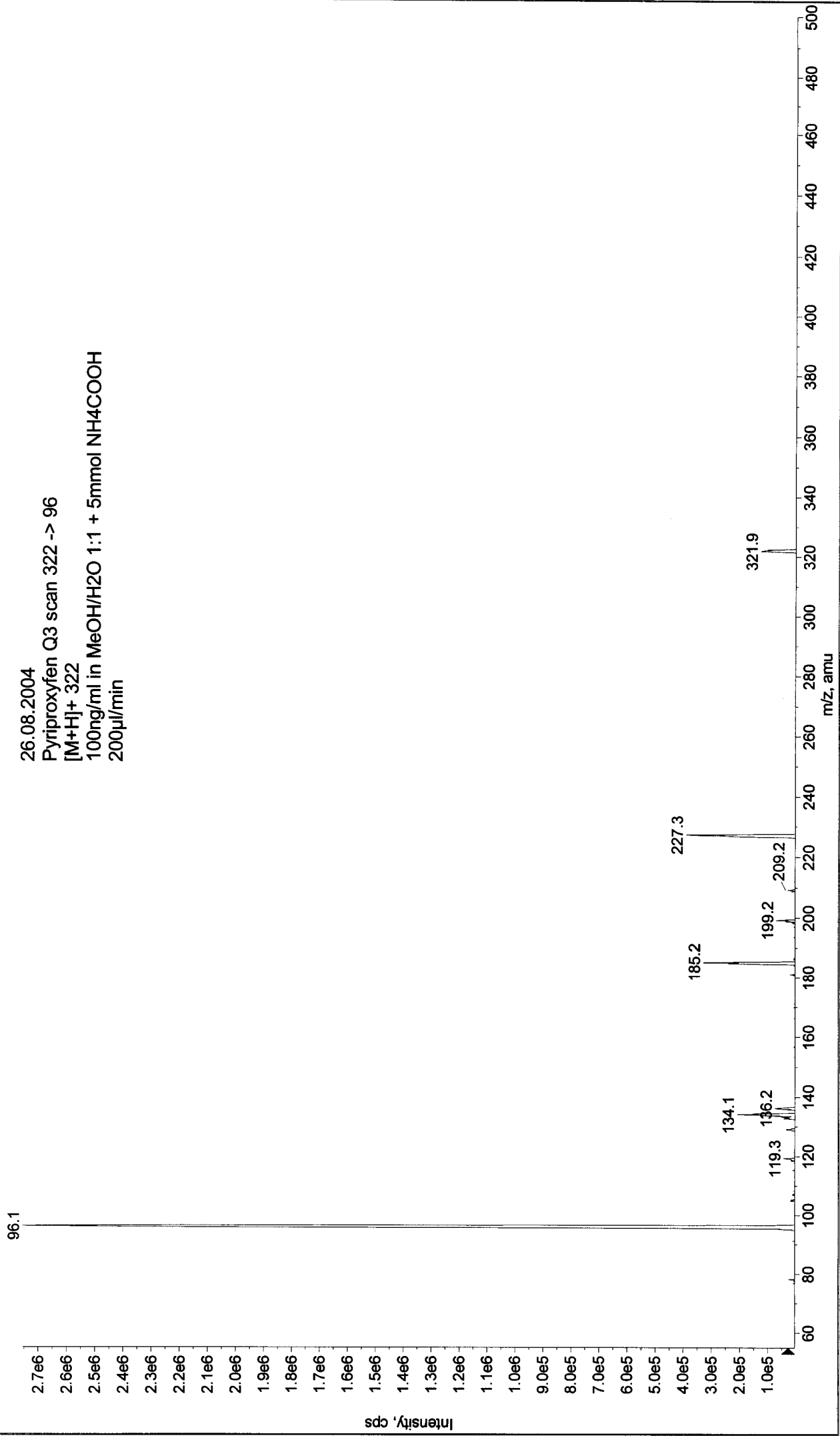
Sample Comment:  
Sample Name: TuneSampleID  
Batch Name: ManualTune.bat

+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20040826104317.wiff (Turbo Spray)

Max. 9.3e7 cps



■ +MS2 (322.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040826104721.wiff (Turbo Spray) Max. 2.8e6 cps



Max. 2.1e6 cps

+MS2 (322.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040826105405.wiff (Turbo Spray)

